

01-03-01

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PTO/SB/05 (09-00)  
 Approved through 10/31/2002. OMB 0651-0032  
 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 51876P230

First Inventor or Application Identifier Yeon-Soo Kim

Title apparatus and method for detecting signals of space-time coding based on

Express Mail Label No. EL634501360US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:

 Assistant Commissioner for Patents  
 Box Patent Application  
 Washington, DC 20231

 1. ☒ Fee Transmittal Form (e.g. PTO/SB/17)  
 (Submit an original, and a duplicate for fee processing)

 2. ☐ Applicant claims small entity status.  
 See 37 CFR 1.27.

 3. ☒ Specification *Total Pages* **30**  
 (preferred arrangement set forth below)  
 - Descriptive title of the Invention  
 - Cross References to Related Applications  
 - Statement Regarding Fed sponsored R & D  
 - Reference to sequence listing, a table,  
 or a computer program listing appendix  
 - Background of the Invention  
 - Brief Summary of the Invention  
 - Brief Description of the Drawings (if filed)  
 - Detailed Description  
 - Claim(s)  
 - Abstract of the Disclosure

 4. ☒ Drawing(s) (35 U.S.C. 113) *Total Sheets* **4**

 5. Oath or Declaration *Total Pages* **1**  
 a. ☐ Newly executed (original copy)  
 b. ☐ Copy from a prior application (37 CFR 1.63(d))  
 (for continuation/divisional with Box 18 completed)

 i. ☐ **DELETION OF INVENTOR(S)**  
 Signed statement attached deleting  
 inventor(s) named in the prior application,  
 see 37 CFR 1.63(d)(2) and 1.33(b).

 6. ☐ Application Data Sheet. See 37 CFR 1.76.

 7. ☐ CD-ROM or CD-R in duplicate, large table or  
 Computer Program (Appendix)

 8. Nucleotide and/or Amino Acid Sequence Submission  
 (if applicable, all necessary)

- a.
- ☐
- Computer Readable Form (CFR)
- 
- b.
- ☐
- Specification Sequence Listing on:
- 
- i.
- ☐
- CD-ROM or CD-R (2 copies); or
- 
- ii.
- ☐
- Paper
- 
- c.
- ☐
- Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

 9. ☐ Assignment Papers (cover sheet & document(s))

 10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney  
 (when there is an assignee)

 11. ☐ English Translation Document (if applicable)

 12. ☐ Information Disclosure ☐ Copies of IDS  
 Statement (IDS)/PTO - 1449 Citations

 13. ☐ Preliminary Amendment

 14. ☒ Return Receipt Postcard (MPEP 503)  
 (Should be specifically itemized)

 15. ☐ Certified Copy of Priority Document(s)  
 (if foreign priority is claimed)

 16. ☐ Request and Certification under 35 USC 122(b)(2)(B)(i).  
 Applicant must attach form PTO/SB/35 or its equivalent.

 17. ☒ Other: **priority request; formal drawings . . . .**  
**submittal . . . . .**

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_\_/\_\_\_\_\_

Prior application Information: Examiner \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

 For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4b,  
 is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation  
 can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 17. CORRESPONDENCE ADDRESS

☒ Customer Number of Bar Code Label

 or ☐ Correspondence address below

Name

BLAKELY, SOKOLOFF, TAYLOR &amp; ZAFMAN LLP

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Thomas M. Coester, Reg. No. 39,637

Signature

Date

12/28/00

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any  
 comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office,  
 Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents,  
 Box Patent Application, Washington, DC 20231.

12/28/00

jc962 U.S. PTO

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Approved through 10/31/2002. OMB 0651-0032  
 Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$) 710.00

## Complete if Known

Application Number	
Filing Date	
First Named Inventor	Yeon-Soo Kim, et al.
Examiner Name	
Group Art Unit	
Attorney Docket Number	51876P230

## METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 02-2666

Deposit Account Name Blakely, Sokoloff, Taylor & Zafman LLP

- ☒ Charge Any Additional Fee Required Under 37CFR 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Money Order ☐ Other

## FEE CALCULATION

## 1. FILING FEE

Large Fee Code	Entity (\$)	Small Fee Code	Entity (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	\$710
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$) 710.00

## 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
9	-20** = 0	X \$18.00 =	0.00
3	-3** = 0	X \$80.00 =	0.00
Multiple Dependent			

Large Fee Code	Entity (\$)	Small Fee Code	Entity (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple Dependent claim
109	80	209	40	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0.00

\*or number of previously paid, if greater, For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEE

Large Fee Code	Entity (\$)	Small Fee Code	Entity (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920	112	920	Requesting publication of SIR prior to Examiner action	
113	1,840	113	1,840	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for response within first month	
116	390	216	195	Extension for response within second month	
117	890	217	445	Extension for response within third month	
118	1,390	218	695	Extension for response within fourth month	
128	1,890	228	945	Extension for response within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidably	
141	1,240	241	620	Petition to revive - unintentionally	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Petitions related to provisional applications	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

\* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

## SUBMITTED BY

Typed or Printed Name Thomas M. Coester, Reg. No. 39,637

Signature Thomas Coester

Date 12/28/00

## Complete (if applicable)

Reg. Number

Deposit Account User ID 02-2666

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re the Application of:**

YEON-SOO KIM, ET AL.

Application No.:

Filed:

For: **apparatus and method for detecting signals of space-time coding based on transmission diversity - UTILITY**

**Art Group:**

**Examiner:**

Assistant Commissioner for Patents  
Washington, D.C. 20231

## TRANSMITTAL OF FORMAL DRAWINGS

Sir:

Enclosed herewith for filing in the above-identified U.S. Patent Application are the formal drawings, 4 sheets including 6 Figures. Applicant hereby authorizes any additional extension or petition fees under 37 C.F.R. § 1.17 or credit for any overpayment to our Deposit Account No. 02-2666. A copy of the Fee Transmittal sheet is enclosed.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR &amp; ZAFMAN

Dated:

12/28/00

Thomas Coe

Thomas M. Coester, Reg. No. 39,637

12400 Wilshire Blvd., 7th Floor  
Los Angeles, California 90025  
Telephone: (310) 207-3800

Atty. Docket No.: 51876.P230  
Express Mail #: EL634501360US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the application of:

Yeon-Soo Kim, Young-Hee Shin and Joon-Ho Lee

APPARATUS AND METHOD FOR DETECTING SIGNALS OF SPACE-TIME  
CODING BASED ON TRANSMISSION DIVERSITY

REQUEST FOR PRIORITY

Hon. Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Dear Sir:

Applicant respectfully requests a convention priority for the above-captioned application,  
namely Korean Patent Application No. 2000-72277 filed December 1, 2000.

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN

Dated: 12/28/00

By: Thomas Coester  
Thomas M. Coester Reg. No. 39,637

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